

Scoliosis IP Cassette

Tube side view

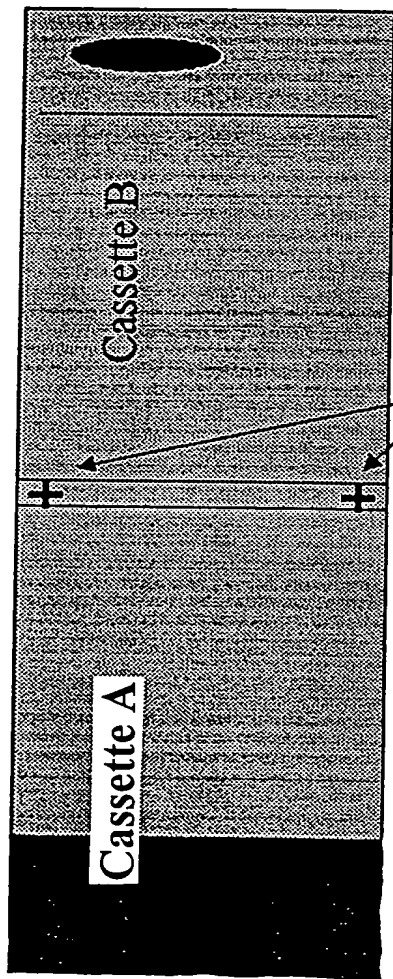


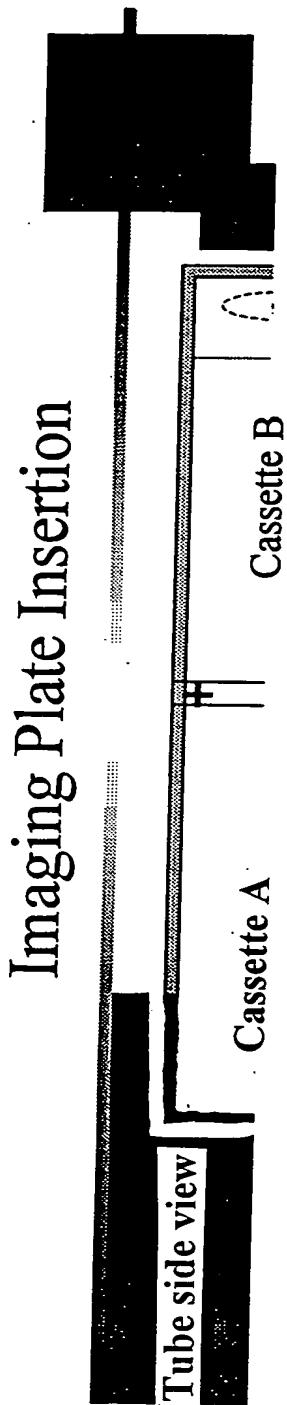
FIG. 1A

Registration marks on cassette
for quick alignment



FIG. 1B

*Cassettes are joined at the bottom - back is no longer
hinged and Carbon fiber front may be replaced with
Aluminum for strength of long cassette.*



2 Imaging Plates (IP's) are inserted into cassette and overlap slightly

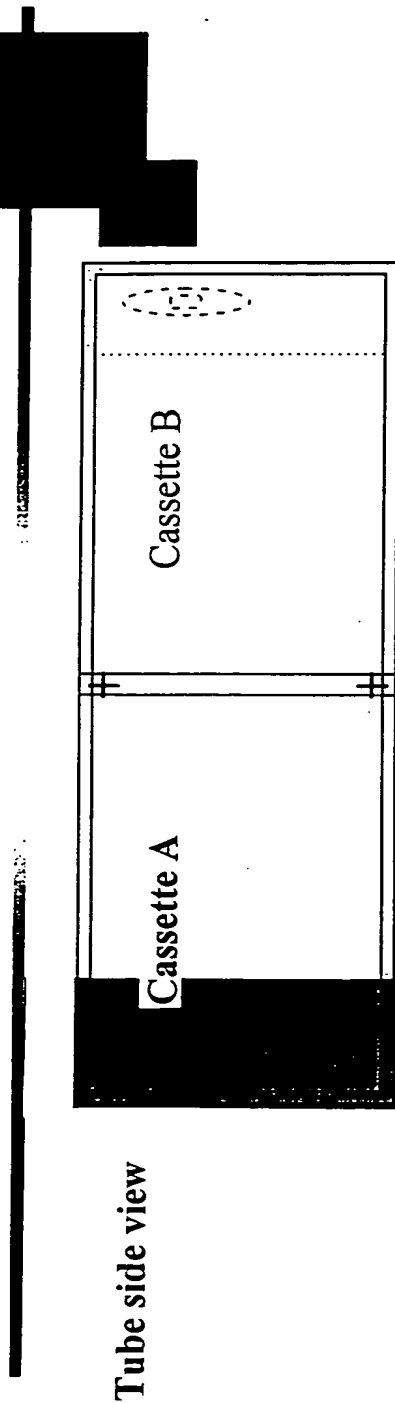
Cassette edge view
(Magnified)

FIG. 2

Because of the overlap, no diagnostic image information is lost
There is no gap between the IP's

FIG. 3A

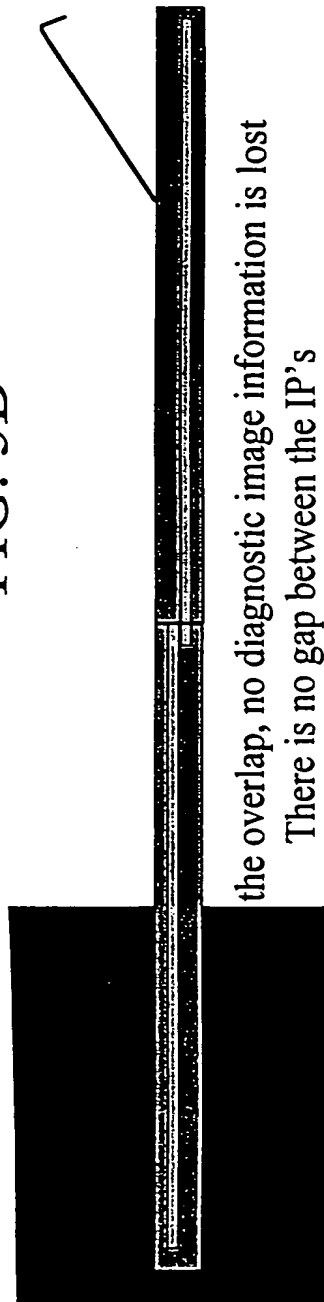
Imaging Plate Insertion



2 Imaging Plates (IP's) are inserted into cassette and overlap slightly

Cassette edge view
(Magnified)

FIG. 3B



Scoliosis IP Cassette

Cassette edge (Magnified
at junction of cassettes)

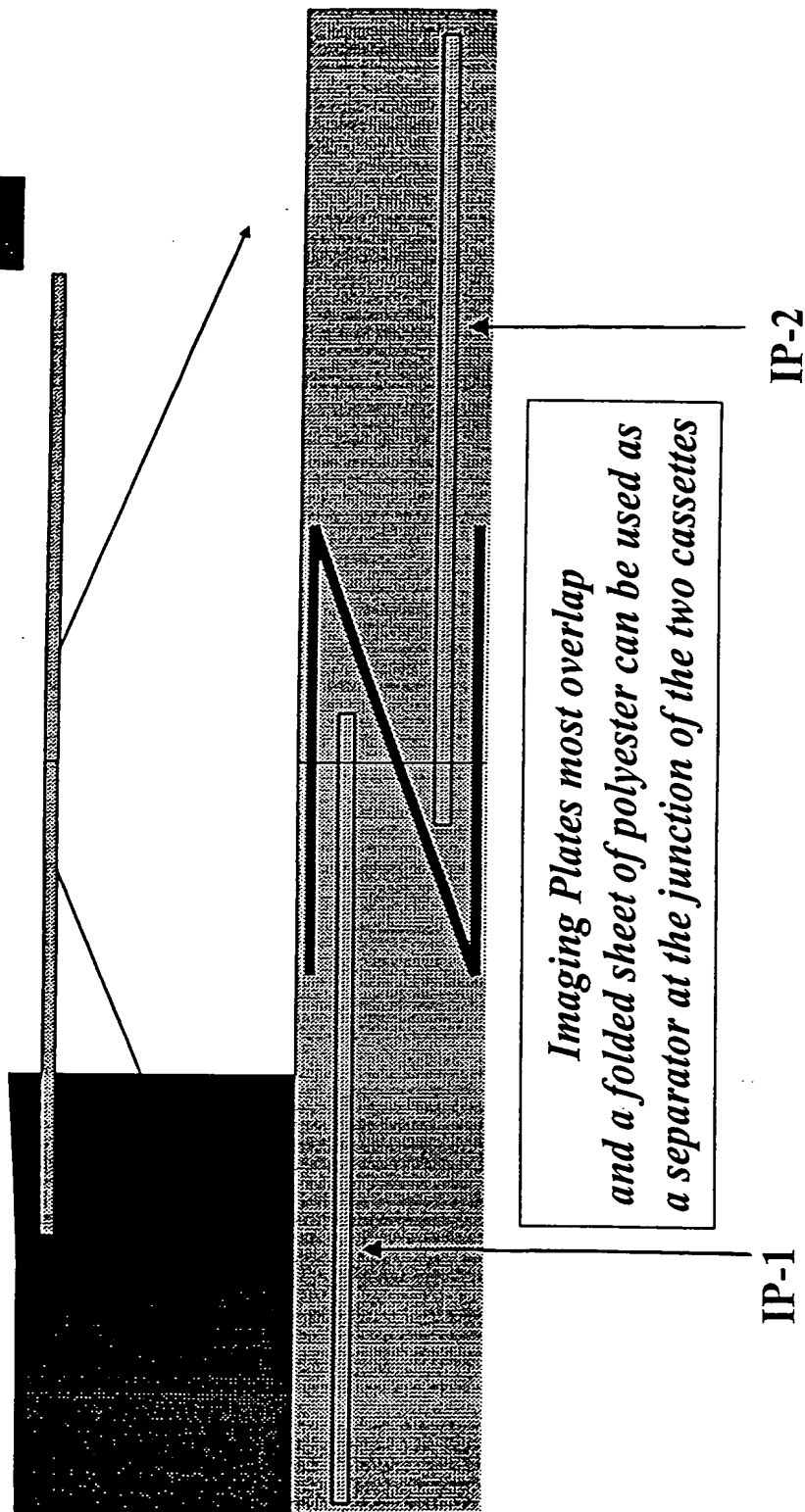


FIG. 4

Advantages of Dual Design

- Allows IP to be run through CR Reader without manually removing IP from cassette.
- Prevents loss of image information between IP's by overlap of IP's.
- Provides imaging capability for automatically processing images up to 14" x 34" previously 14" x 17" maximum size.
- Enables convenient use of Fuji Computed Radiography for Scoliosis and Long Leg examinations.

FIG. 5